

PEASE ANGB Electric Distribution System

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J4 PEASE ANGB Electric Distribution System

J4.1 PEASE ANGB Overview

Pease ANGB is located in the state of New Hampshire, 55 miles north of Boston and three miles south of Kittery, Maine and is host to the 157th Air Refueling Wing. The installation is approximately 220 acres in size and currently includes 40 facilities. The current base population is 380 people with a once a month surge of up to 950 personnel.

J4.2 Electric Distribution System Description

J4.2.1 Electric Distribution System Fixed Equipment Inventory

The PEASE ANGB electric distribution system consists of all appurtenances physically connected to the distribution system from the point in which the distribution system enters the Installation and Government ownership currently starts to the point of demarcation, defined by the Right of Way. The system may include, but is not limited to, transformers, circuits, protective devices, utility poles, ductbanks, switches, and other ancillary fixed equipment. The actual inventory of items sold will be in the bill of sale at the time the system is transferred. The following description and inventory is included to provide the Contractor with a general understanding of the size and configuration of the distribution system. The Government makes no representation that the inventory is accurate. The Contractor shall base its proposal on site inspections, information in the technical library, other pertinent information, and to a lesser degree the following description and inventory. Under no circumstances shall the Contractor be entitled to any service charge adjustments based on the accuracy of the following description and inventory.

Specifically excluded from the electric distribution system privatization are:

- Airfield lighting
- Street lighting
- Parking area lighting

J4.2.1.1 Description

The Pease ANGB electrical system consists of approximately 55,000 linear feet of underground cable in ductbanks and includes one 4200 kVA sub-station. The electrical system serves an area of approximately 220 acres containing approximately 40 buildings. The underground system installation was completed in 1993 and contains 16 three-phase transformers, 9 single-phase transformers, and 25 precast electrical manholes. Pease ANGB has no power generation capabilities except for emergency backup generators that fall outside the scope of this utility privatization effort.

J4.2.1.2 Inventory

Table 1 provides a general listing of the major electric distribution system fixed assets for the PEASE ANGB electric distribution system included in the sale.

TABLE 1
Fixed Inventory
Electric Distribution System PEASE ANGB

Item	Size	Quantity	Unit	Approximate Year of Construction
3ph Substation	4200 kVA	1	EA	1993
LB-Switch (substation)	600 Amp	6	EA	1993
Underground Circuits				
- 1w, 600v, in ductbank	#1/0 AWG	21,034	LF	1993
- 3ph, 3w, 15000v, in ductbank	#1/0 AWG	34,117	LF	1993
- 3ph, 4w	350kcmils	264	LF	1993
Buss Support Structure (single pedestal steel)		9	EA	1993
Transformer – 3ph, Oil Filled, Pad Mounted				
	150 kVA	8	EA	1993
	225 kVA	4	EA	1993
	500 kVA	4	EA	1993
Transformer – 1ph, Oil Filled, Pad Mounted				
	25 kVA	3	EA	1993
	37.5 kVA	3	EA	1993
	75 kVA	3	EA	1993
Switches (underground)	3-Way	8	EA	1993
Capacitors – 3ph	600 KVAR	4	EA	1993
Electrical Manholes – Precast, 6 Foot		25	EA	1993

Notes:

AWG = American Wire Gauge
EA = each
LF = linear feet
KVA = nominal kilovolt-amperes
Ph – phase
KVAR = kilovolt amperes resistance
V = volts
w = wire

J4.2.2 Electric Distribution System Non-Fixed Equipment and Specialized Tools

Table 2 lists other ancillary equipment (spare parts) and Table 3 lists specialized vehicles and tools included in the purchase. Offerors shall field verify all equipment, vehicles, and tools prior to submitting a bid. Offerors shall make their own determination of the adequacy of all equipment, vehicles, and tools.

TABLE 2
Spare Parts
Electric Distribution System PEASE ANGB

Qty	Item	Make/Model	Description	Remarks
None				

TABLE 3
Specialized Vehicles and Tools
Electric Distribution System PEASE ANGB

Description	Quantity	Location	Maker
None			

J4.2.3 Electric Distribution System Manuals, Drawings, and Records

Table 4 lists the manuals, drawings, and records that will be transferred with the system.

TABLE 4
Manuals, Drawings, and Records
Electric Distribution System PEASE ANGB

Qty	Item	Description	Remarks
1	Master Utility Map Series	Nine drawings dated March 2000 (MU-00 thru MU-08)	Originals available for offerors to copy

J4.3 Specific Service Requirements

The service requirements for the PEASE ANGB electric distribution system are as defined in the Section C, *Description/Specifications/Work Statement*.

J4.4 Current Service Arrangement

- **Provider's Name: Public Service of New Hampshire**
- **Annual Usage: 4,793,000 KWH**
- **Annual Usage Fluctuations: 345,000 to 456,000 KWH per month**

J4.5 Secondary Metering

J4.5.1 Existing Secondary Meters

Table 5 provides a listing of the existing (at the time of contract award) secondary meters that will be transferred to the Contractor. The Contractor shall provide meter readings for all secondary meters IAW Paragraph C.3 and J4.6 below.

TABLE 5
Existing Secondary Meters
Electric Distribution System PEASE ANGB

Meter Location	Meter Description
None	

J4.5.2 Required New Secondary Meters

The Contractor shall install and calibrate new secondary meters as listed in **Table 6**. New secondary meters shall be installed IAW Paragraph C.13, Transition Plan. After installation, the Contractor shall maintain and read these meters IAW Paragraphs C.3 and J4.6 below.

TABLE 6
New Secondary Meters
Electric Distribution System PEASE ANGB

Meter Location	Meter Description
None	

J4.6 Monthly Submittals

The Contractor shall provide the Government monthly submittals for the following:

1. Invoice (IAW G.2). The Contractor's monthly invoice shall be presented in a format proposed by the Contractor and accepted by the Contracting Officer. Invoices shall be submitted by the 25th of each month for the previous month. Invoices shall be submitted to the person identified at time of contract award.
2. Outage Report. The Contractor's monthly outage report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Outage reports shall be submitted by the 25th of each month for the previous month. Outage reports shall be submitted to the person identified at time of contract award.
3. Meter Reading Report. The monthly meter reading report shall show the current and previous month readings for all secondary meters (if any). The Contractor's monthly meter reading report will be prepared in the format proposed by the Contractor and accepted by the Contracting Officer. Meter reading reports shall be submitted by the 15th of each month for the previous month. Meter reading reports shall be submitted to the person identified at time of contract award.

4. System Efficiency Report. If required by Paragraph C.3, the Contractor shall submit a system efficiency report in a format proposed by the Contractor and accepted by the Contracting Officer. System efficiency reports shall be submitted by the 25th of each month for the previous month. System efficiency reports shall be submitted to the person identified at time of contract award.

J4.7 Energy Saving Projects

IAW Paragraph C.3, Requirement, the following projects have been implemented on the distribution system by the Government for energy conservation purposes: None.

J4.8 Service Area

IAW Paragraph C.4, Service Area, the service area is defined as all areas within the PEASE ANGB boundaries.

J4.9 Off-Installation Sites

No off-installation sites are included in the sale of the PEASE ANGB electric distribution system.

J4.10 Specific Transition Requirements

IAW Paragraph C.13, Transition Plan, **Table 7** provides a listing of service connections and disconnections required upon transfer.

TABLE 7
Service Connections and Disconnections
Electric Distribution System PEASE ANGB

Location	Description
None	

J4.11 Government Recognized System Deficiencies

Table 8 provides a listing of system improvements that the Government has planned. The Government recognizes these improvement projects as representing current deficiencies associated with the PEASE ANGB electric distribution system. If the system is sold, the Government will not accomplish these planned improvements. The Contractor shall make a determination as to its actual need to accomplish and the timing of any and all such planned improvements. Capital upgrade projects shall be proposed through the Capital Upgrades and Renewal and Replacement Plan process and will be recovered through Schedule L-3. Renewal and Replacement projects will be recovered through Sub-CLIN AB.

TABLE 8
System Deficiencies
Electric Distribution System PEASE ANGB

Project Location	Project Description
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None